



GE Silicones

FORMAT:USA

MATERIAL SAFETY DATA SHEET
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PRODUCT: WM2000

WEATHERMATE II (CLEAR) PROTECTANT PAGE: 01

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY:
GE SILICONES
260 HUDSON RIVER ROAD
WATERFORD, NY 12188

SUPPLIED BY:
GE SILICONES
260 HUDSON RIVER ROAD
WATERFORD, NY 12188

EMERGENCY PHONE (24 HRS)
(518) 237-3330

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REVISED: 04/20/00
PREPARED BY: KE LINTZ
CHEMICAL FAMILY/USE: SILICONE EMULSION
FORMULA: MIXTURE

2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION/ CAS REG NO.	APPROX. WGT. %	ACGIH TLV TWA	OSHA PEL STEL	OSHA PEL TWA	UNITS
A. HAZARDOUS					
OCTAMETHYLCYCLOTETRAILOXANE					
556-67-2	1-5	5 PPM	NE	GE REC NE	GUIDE
N-METHYL PYRROLIDINONE					
872-50-4	1-5	NF	NE	NF NE	NA
B. NON-HAZARDOUS					
WATER					
7732-18-5	30-60	NE	NA	NE NA	NA
OCTYLPHENOXY POLYETHOXYETHANOL					
9036-19-5	1-5	NE	NA	NE NA	NA
AMINOETHYLAMINOPROPYLPOLYSILOXANE- HYDROXY STOPPED					
68554-54-1	30-60	NE	NA	NE NA	NA
POLYURETHANE					
VENDOR	1-5	NE	NE	NE NE	NE

See Section 15 for description of any WHMIS Trade Secret(s).

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Cream-White Liquid
Irritating to skin, eyes, and respiratory tract.
Harmful if swallowed, inhaled, or absorbed through skin.
May cause adverse liver, kidney, and CNS effects.
Odorless

POTENTIAL HEALTH EFFECTS:

INGESTION:

Harmful if swallowed.
Causes vomiting, nausea, and diarrhea

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Irritation of the mouth, throat, and stomach.

Aspiration can be a hazard if this material is swallowed.

SKIN CONTACT:

Causes mild skin irritation.

Harmful if absorbed thru the skin.

INHALATION:

Excessive inhalation causes headache, dizziness, nausea and incoordination.

Harmful if inhaled.

May irritate mouth, nose, and throat.

A dust hazard may be created if, under conditions of use, solid particles are separated from the polymeric matrix.

EYE CONTACT:

May cause severe eye irritation.

Causes redness and tearing.

May cause corneal injury.

MEDICAL CONDITIONS AGGRAVATED:

Dermal ailments.

SUBCHRONIC (TARGET ORGAN) EFFECTS:

Dermatitis.

Central nervous system damage.

Reproductive disorders.

Eye damage.

Product contains a component where fetal toxicity has been shown in reproductive studies on animals.

Cardiovascular effects.

May cause liver effects.

CHRONIC EFFECTS/CARCINOGENICITY:

This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

PRODUCTS/INGREDIENTS

This space reserved for special use.

PRINCIPLE ROUTES OF EXPOSURE:

Oral.

Dermal - skin.

Eyes.

Inhalation.

OTHER:

Octamethylcyclotetrasiloxane

Ingestion: Rodents given large doses via oral gavage of octamethylcyclotetrasiloxane (1600 mg/kg day, 14 days) developed increased liver weights relative to unexposed control animals due to hepatocellular hyperplasia (increased number of liver cells which appeared normal) as well as hypertrophy (increased cell size).

Inhalation: In inhalation studies, laboratory rodents exposed to octamethylcyclotetrasiloxane (300 ppm five days week, 90 days) developed increased liver weights in female animals relative to unexposed control animals. When the exposure was stopped, liver weights returned to normal. Microscopic examination of the liver cells did not show any evidence of pathology. Inhalation studies utilizing laboratory rabbits and guinea pigs showed no effects on liver weights. Inhalation exposures typical of industrial usage (5-10 ppm) showed no toxic effects in rodents.

Range finding reproductive studies were conducted (whole body inhalation, 70 days prior to mating, through mating, gestation and lactation) with octamethylcyclotetrasiloxane (D4). Rats were exposed to 70 and 700 ppm. In the 700 ppm group, there was a statistically significant reduction in mean litter size and in implantation sites. No D4

related clinical signs were observed in the pups and no exposure related pathological findings were found.

Interim results from a two generation reproductive study in rats exposed to 500 and 700 ppm D4 (whole body inhalation, 70 days prior to mating, through mating, gestation and lactation) resulted in a statically significant decrease in live mean litter size as well as extended periods of off-spring delivery (dystocia). These results were not observed at the 70 and 300 ppm dosing levels.

The relevance of these data to humans is unclear. Further studies are ongoing.

In developmental toxicity studies, rats and rabbits were exposed to octamethylcyclotetrasiloxane at concentrations up to 700 ppm and 500 ppm respectively. No teratogenic effects (birth defects) were observed in either study.

This product contains Methylpolysiloxanes which can generate Formaldehyde at approximately 300 degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. An MSDS for Formaldehyde is available from GE Silicones.

4. FIRST AID MEASURES

INGESTION:

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

SKIN:

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and laundry before reuse.

INHALATION:

If inhaled, remove to fresh air, if not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

EYES:

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

NOTE TO PHYSICIAN:

None known.

5. FIRE FIGHTING MEASURES

FLASH POINT:

UNK (C) UNK (F)

METHOD :

NA

IGNITION TEMP :

NA

(C) NA (F)

FLAMMABLE LIMITS IN AIR - LOWER (%):

UNK

FLAMMABLE LIMITS IN AIR - UPPER (%):

UNK

SENSITIVITY TO MECHANICAL IMPACT (Y/N):

NO

SENSITIVITY TO STATIC DISCHARGE:

Sensitivity to static discharge is not expected.

EXTINGUISHING MEDIA:

All standard firefighting media

SPECIAL FIREFIGHTING PROCEDURES:

Positive pressure, self-contained breathing apparatus
Wear full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wipe, scrape or soak up in an inert material and put in a container for disposal.
Wear proper protective equipment as specified in the protective equipment section.
Increase area ventilation.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Keep container closed when not in use.
Avoid contact with skin and eyes.
Use only in a well ventilated area.
Do not inhale vapors.
Keep away from food and smoking materials.
Wash hands before eating and smoking.
Caution!
Good hygienic practices should be observed. Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded with material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Showers.
Eyewash stations.
See "Ventilation" below.

RESPIRATORY PROTECTION:

Use approved NIOSH respiratory protection if TLV exceeded or overexposure is likely.
Use respirators in accordance with the code of federal regulations, labor part 1910.134 and reduce occupational exposure to the lowest achievable limits. If spray application, follow guidelines under parts 1910.106 and/or 1910.107.

PROTECTIVE GLOVES:

All cleanable impervious glove types are acceptable.

EYE AND FACE PROTECTION:

Safety glasses.
Monogoggles.

OTHER PROTECTIVE EQUIPMENT:

Wear eye protection and protective clothing.

VENTILATION:

Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.

9. PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT INFORMATION:

BOILING POINT	:	UNK	(C) UNK	(F)
VAPOR PRESSURE (20 C) (MM HG)	:	UNK		
VAPOR DENSITY (AIR=1)	:	UNK		
FREEZING POINT	:			

MELTING POINT	:	UNK	(C) UNK	(F)
PHYSICAL STATE	:	UNK	(C) UNK	(F)
ODOR	:	LIQUID		
COLOR	:	ODORLESS		
ODOR THRESHOLD (PPM)	:	CREAM-WHITE		
% VOLATILE BY VOLUME	:	NA		
EVAP. RATE (BUTYL ACETATE=1)	:	UNK		
SPECIFIC GRAVITY (WATER=1)	:	<1		
DENSITY (KG/M3)	:	1.012		
ACID/ALKALINITY (MEQ/G)	:	UNK		
PH	:	10.1		
VOC EXCL. H2O & EXEMPTS (G/L)	:	NT		
SOLUBILITY IN WATER (20 C)	:	DILUTABLE		
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT)	:	UNKNOWN		

10. STABILITY AND REACTIVITY

STABILITY: STABLE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:
Carbon monoxide.
Carbon dioxide.
Silicon dioxide.
Formaldehyde.
INCOMPATIBILITY (MATERIALS TO AVOID):
None known.
CONDITIONS TO AVOID:
None known.

11. TOXICOLOGICAL INFORMATION

PRODUCT INFORMATION:
ACUTE ORAL LD50 (MG/KG): UNKNOWN
ACUTE DERMAL LD50 (MG/KG): UNKNOWN
ACUTE INHALATION LC50 (MG/L): UNKNOWN
OTHER:
None.
AMES TEST: UNKNOWN

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time
CHEMICAL FATE INFORMATION: No data at this time

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:
Disposal should be made in accordance with federal, state and local regulations.
Incineration recommended in approved incinerator according to federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT SHIPPING NAME:

DOT HAZARD CLASS:	NONE
DOT LABEL(S):	NOT DOT REGULATED
UN/NA NUMBER:	NONE
PLACARDS:	NONE
IATA:	NONE
NOT REGULATED BY IATA	
IMO IMDG-code:	NOT REGULATED FOR OCEAN TRANSPORTATION
EMS No:	NA
EUROPEAN CLASS:	
RID (OCTI):	NONE
ADR (ECE):	NONE
RAR (IATA):	NONE

15. REGULATORY INFORMATION

SARA SECTION 302:
None Found

SARA (311,312) HAZARD CLASS:
ACUTE HEALTH HAZARD
CHRONIC HEALTH HAZARD

SARA (313) CHEMICALS:
THIS PRODUCT CONTAINS TOXIC CHEMICAL(S) LISTED BELOW WHICH IS(ARE) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

N-Methyl Pyrrolidone
872-50-4

CPSC CLASSIFICATION: NA

WHMIS HAZARD CLASS:
D2A VERY TOXIC MATERIALS
D2B TOXIC MATERIALS

WHMIS TRADE SECRET:
None

EXPORT:
SCHEDULE B/HTSUS: 3824.90 Chemical preparations N.E.S.
ECCN: EAR99

HAZARD RATING SYSTEMS
HMIS FLAMMABILITY 0 , REACTIVITY 0 , HEALTH 2
NFPA FLAMMABILITY 0 , REACTIVITY 0 , HEALTH 2

CALIFORNIA PROPOSITION 65:
NONE

16. OTHER INFORMATION

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

C = ceiling limit	NEGL = negligible
EST = estimated	NF = none found
NA = not applicable	UNKN = unknown
NE = none established	REC = recommended
ND = none determined	V = recomm. By vendor
By-product = reaction by-product, TSCA inventory	SKN = skin
status not required under 40 CFR part 720.30(h-2)	TS = trade secret
STEL = short term exposure	R = recommended
	MST = mist
	NT = not tested

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limit

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This product contains a chemical which is not listed on the Canadian Domestic Substances List (DSL). It is provided to you for Research and Development or Product Development purposes only. Any use of a chemical not listed on the DSL for a commercial purpose in quantities greater than 20 kilograms is contrary to Canadian Law. Under the provisions of the Environmental Protection Act, chemicals which are not listed on the DSL may be manufactured in or imported into Canada in quantities of 1,000 kilograms or less annually, or 5,000 kilograms cumulatively, for Research and Development or Product Development purposes.

DATE PRINTED: 04/20/00

*** END OF MSDS ***